

# Automatic bundle strapping machine

Reduces repetitive motions, awkward lifting



## Description

Small diameter pipe needs to be tied together as a bundle for shipping. Traditional methods of doing this involve twine, which can be hard on the hands, and tape. Both methods involve repetitive motions when winding the material around the pipe, followed by an awkward lift to move the bundle to a pallet or rack for shipping. PW Pipe, a Washington manufacturer, solved both of these problems by installing automatic bundle strapping machines on their pipe production lines. After being strapped, the pipe moves down a conveyor to a diverter, where it then drops onto the stack, ready to ship with minimal handling. Workers now have more time to monitor the production process instead of spending their time manually handling bundles of pipe.



The old way: Wrapping a bundle of pipe by hand, and then lifting it overhead to drop it onto a shipping rack.



The new way: Pipe coming out of the automatic bundle strapping machine travels down a conveyor to a diverter that drops it onto the shipping rack.

Ergonomics @ work